PATENT COOPERATION TREATY PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)





Applicant's or agent's file reference PCT8299-8343	FOR FURTHER ACTION as wel	see Form PCT/ISA/220 as well as, where applicable, item 5 below.			
International application No.	International filing date(day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/JP2005/020687	04.11.2005	05.11.2004			
Applicant SEMICONDUCTOR ENERGY LABORATORY CO., LTD.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.					
This international search report consists o	of a total of 3 sheets.				
It is also accompanied by a cop	py of each prior art document cited in this repo	ort.			
Basis of the report a. With regard to the language, the international search was carried out on the basis of:					
the international applic	ation in the language in which it was filed				
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))					
b. With regard to any nucleotic	de and/or amino acid sequence disclosed in	the international application, see Box No. I.			
2. Certain claims were found	unsearchable (see Box No. II)				
3.					
4. With regard to the title,					
the text is approved as submitted by the applicant					
the text has been established by this Authority to read as follows:					
5. With regard to the abstract,					
the text is approved as submitted by the applicant					
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority					
6. With regard to the drawings,a. the figure of the drawings to be published with the abstract is Figure No.					
as suggested by the app					
as selected by this Authority, because the applicant failed to suggest a figure as selected by this Authority, because this figure better characterizes the invention					
b. none of the figures is to be pu		2008. 3. 03			

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/020687

A. CLASSIFICATION OF SUBJECT MATTER

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Int.Cl. H01L51/50(2006.01), G09F9/30(2006.01), H01L27/32(2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl. H01L51/50(2006.01), G09F9/30(2006.01), H01L27/32(2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996 Published unexamined utility model applications of Japan 1971-2006 Registered utility model specifications of Japan 1996-2006 Published registered utility model applications of Japan 1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
		1-3,7,9,11, 12 4-6,8,10		
2005.06.23,All Claims, Ful	l text, Graph 2	1-3,7,9,11, 12 4-6,8,10		
2003.09.26 claims paragrap	1-12			
Further documents are listed in the continuation of Box C. * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family				
Date of the actual completion of the international search Date of mailing of the international search report				
02.02.2006 21.02.2006				
I I		2V 9 3 1 3		
Tsutomu Kosugo				
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan Telephone No. +81-3-3581-1101 Ext. 3271				
	JP 2006-24791 A (KIDO JUNG 2006.01.26, All Claims, Ful Data Reported) JP 2005-166637 A (KIDO JUNG 2005.06.23, All Claims, Ful & CN 1620212 A & EP 1530245 Al JP 2003-272860 A (KIDO JUNG 2003.09.26 claims paragrap & CN 1447629 A & EP 135155 & US 2003-189401 Al documents are listed in the continuation of Box C. Attegories of cited documents: In defining the general state of the art which is not do to be of particular relevance of the publication or patent but published on or after the intersiting date at which may throw doubts on priority claim(s) or which restablish the publication date of another citation or other asson (as specified) at referring to an oral disclosure, use, exhibition or other asson (as specified) at referring to an oral disclosure, use, exhibition or other apublished prior to the international filing date but later froirity date claimed thal completion of the international search 02.02.2006 ling address of the ISA/JP apan Patent Office	JP 2006-24791 A (KIDO JUNJI et al) 2006.01.26, All Claims, Full text (Not yet Family Data Reported) JP 2005-166637 A (KIDO JUNJI et al) 2005.06.23, All Claims, Full text, Graph 2 & CN 1620212 A & EP 1530245 A2 & US 2005-098207 Al JP 2003-272860 A (KIDO JUNJI et al) 2003.09.26 claims paragraph 60, 61 & CN 1447629 A & EP 1351558 Al & US 2003-189401 Al documents are listed in the continuation of Box C. Integories of cited documents: defining the general state of the art which is not do be of particular relevance with the publication or patent but published on or after the interaction or other with the publication date of another citation or other saon (as specified) Integories of cited documents: Lefterring to an oral disclosure, use, exhibition or other ason (as specified) Integories of cited documents: Lefterring to an oral disclosure, use, exhibition or other ason (as specified) Lefterring to an oral disclosure, use, exhibition or other citation or other ason (as specified) Lefterring to an oral disclosure, use, exhibition or other ason (as specified) Lefterring to an oral disclosure, use, exhibition or other ason (as specified) Lefterring to an oral disclosure, use, exhibition or other ason (as specified) Lefterring to an oral disclosure, use, exhibition or other ason (as pecified) Lefterring to an oral disclosure ason (as		

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/020687

C (Continua	tion) DOCIMENTS CONSIDERED TO DE RELEVIANT		· - · · · · · · · · · · · · · · · · · ·
			T
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.
А	JP 2000-309566 A (IDEMITSU KOSAN CO) 2000.11.07, Claims, paragraph 147 & CN 1277626 A & EP 1029909 A1 & TW 2 & US 2003-143430-A1 & WO-00/14174 A	22965 B	4-6,8,9
A	WO 04/094389 A (SEMICONDUCTOR ENERGY 2004.11.04, Claims & EP 1616864 A1 & US 2005- 186446 A1	LAB)	4-6,8,9

Form PCT/ISA/210 (continuation of second sheet) (April 2005)